

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2003/002197

## A. CLASSIFICATION OF SUBJECT MATTER

**IPC7 A61H 39/06**

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 A61H 7/00, A61H 39/06, A61B 17/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Korean Patents and Applications for inventions since 1975  
Korean Utility models and Applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
NPS, PAJ, FPD, USP

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	KR 2002-0096438 A (Bae, Sam Hoon) 31 December 2002 see the whole document	1-4
Y	KR 20-0234572 Y1 (Kim, Young Hoon) 26 September 2001 see the whole document	1-4
A	US 3946733 A (Jin, Suk Han) 30 March 1976 see the whole document	1
A	JP 52-41488 A (Daiko Iryoki Co., Ltd) 31 March 1977 see the whole document	1
A	JP 10-52474 A (Ben Seigen) 24 February 1998 see the whole document	1
A	KR 20-0254568 Y1 (Yang, Han Jo) 01 December 2001 see the whole document	1

Further documents are listed in the continuation of Box C.

See patent family annex.

- \* Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

19 APRIL 2004 (19.04.2004)

Date of mailing of the international search report

20 APRIL 2004 (20.04.2004)

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**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
PCT/KR2003/002197

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 2002-0096438 A	31.12.2002	NONE	
KR 20-0234572 Y1	26.09.2001	NONE	
US 3946733 A	30.03.1976	NONE	
JP 52-41488 A	31.03.1977	NONE	
JP 10-52474 A	24.02.1998	KR 177531 B!	01.04.1999
KR 20-0254568 Y1	01.12.2001	NONE	